FORM PTO-1449/A and B (Modified)

APPLICATION NO.: 10/789,536

ATTY. DOCKET NO.: C1039.70083US05

FILING DATE: February 26. 2004 CONFIRMATION NO.: 9640

APPLICANT: Arthur M. Krieg et al.

GROUP ART UNIT: 1645

EXAMINER: Nita M. Minniefield

PADEMANNE U.S. PATENT DOCUMENTS

Examiner's	Cite	U.S. Patent Docume	ent	Name of Patentee or Applicant of Cited	Date of Publication or of issue of Cited Document		
Initials	No.	Number	Kind Code	Document	MM-DD-YYYY		

FOREIGN PATENT DOCUMENTS

Examiner's	Cite	Foreign Patent Document			Name of Patentee or Applicant of Cited	Date of Publication of	Translation
Initials	No.	Office/ Country	Number	Kind Code	Document (not necessary)	Cited Document MM-DD-YYYY	(Y/N)
TIME	B1	EPO	0 178 267 A2		·	04-16-1986	
M	B2	JР	62-148428	,		07-02-1987	
M	B3	PCT	US91/05815			08-14-1991	
7711	B4	PCT	US91/01327			09-05-1991	
	B5	PCT	0 216 133 B1			07-28-1993	
	B6	PCT	US94/02471			03-07-1994	
77/10	B7	EP	0 302 758 B1			03-16-1994	
TWL	B8	PCT	WO95/26204			10-1995	
711	B9	PCT .	WO96/02555			02-01-1996	

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
7M	Cl	Anfossi et al. (P.N.A.S., 86, 9, 3379-83, 89, HCAPLUS, AN 1989:475562)	
m	C2	Azad, Raana F. et al., "Antiviral Activity of a Phosphorothioate Oligonucleotide Complementary to RNA of the Human Cytomegalovirus Major Immediate-Early Region," Antimicrobial Agents and Chemotherapy, (1993) 37: 1945-1954.	
m	C3	Azuma, I., "Biochemical and Immunological Studies on Cellular Components of Tubercle Bacilli," Kekkaku (1992) 67(9):45-55.	
m	C4.	Blaxter et al., "Genes expressed in Brugia malayi infective third stage larvae," Molecular and Biochemical Parasitology, (1996) 77:77-93.	
M	C5	Etchart et al. "Class I-restricted CTL induction by mucosal immunization with naked DNA encoding measles virus haemagglutinin" pp. 15775761 vol 72, 1998	
M	C6	Etlinger, "Carrier Sequence Selection One Key to Successful Vaccines," Immunology Today, (1992) 13(2):52-55	
m	C7	Fox, R.I., "Mechanism of Action of Hydroxychloroquine as an antirheumatic Drug," Chemical Abstracts (1994) 120:15, Abstract No. 182630	
M	C8	Kataoka T, et al., "Antitumor Activity of Synthetic Oligonucleotides with Sequences from cDNA Encoding Proteins of Mycobacterium bovis BCG," Jpn. J. Cancer Res (1992) 83:244-247.	
M	C9	Kimura Y, et al., "Binding of Oligoguanylate to Scavenger Receptors Is Required for Oligonucleotides to Augment NK Cell Activity and Induce IFN," J. Biochem (1994) 116(5):991-994	
M	Æ10	Kuramoto et al., "Oligonucleotide Sequences Required for Natural Killer Cell Activation," <i>Jpn. J. Cancer Res.</i> , (1992) 83:1128-1131.	

NM Minnfield 9-19-05

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				LOSURE	FILING DATE:	February 26, 2004	CONFIRMATION NO.: 9640
STATEMENT BY APPLICANT				LICANT	APPLICANT:	Arthur M. Krieg et al.	
Sheet	2	1	of	2	GROUP ART UNIT:	1645	EXAMINER: Nita M. Minnifield

	,	OTHER ART — NON PATENT LITERATURE DOCUMENTS		
Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)	
M	C11	Messina et al., "The Influence of DNA Structure on the <i>in vitro</i> Stimulation of Murine Lymphocytes by Natural and Synthetic Polynucleotide Antigens," Cellular Immunology (1993) 147:148-157.		
MM	C12	Messina et al., "Stimulation of in vitro Murine Lymphocyte Proliferation by Bacterial DNA," The Journal of Immunology (1991) 147(6):1759-1764.		
M	C13	Mottram, et al., "a Novel CDC2-Related Protein Kinase From Leishania Mexicana.LmmCRK1. Is Post- Translationally Regulated During the Life Cycle", J. Biol. Chem., 268(28):21044-21052 (1993)		
M	C14	Ren jun et al. (Zhonghua Zhong Zazhi, 1994, 16, 4, 247-50, HCAPLUS, AN 1995: 198874)		
m	C15	Sato et al., "Immunostimulatory DNA Sequences Necessary for Effective Intradermal Gene Immunization," Science (1996) 273:352-354.		
M	C16	Schnell et al., "Identification and Characterization of a Saccharomyces Cerevisiae Gene (PAR1) Conferring Resistance to Iron Chelators," Eur. J. Biochem. (1991) 200:487-493.		
MM	C17	Stull et al., "Antigene, Ribozyme and Aptamer Nucleic Acid Drugs: Progress and Prospects," Pharmaceutical Research, (1995) 12(4):465-483.		
MM	C18	Tanaka T. et al., "An Antisense Oligonucleotide Complementary to a Sequence in IG2b Germline Transcripts, Stimulates B Cell DNA Synthesis, and Inhibits Immunoglobulin Secretion, J. Exp. Med., (1992) 175:597-607.		
M	C19	Tokunaga T. et al., "Synthetic Oligonucleotides with Particular Base Sequences from the cDNA Encoding Proteins of Mycobacterium bovis BCG Induce Interferons and Activate Natural Killer Cells," Microbiol. Immunol. (1992) 36(1):55-66.		
M	C20	Tokunaga, "A synthetic Single-stranded DNA, Poly(dG,dC), Induces Interferon-alpha/beta and - gamma, Augments Natural Killer Activity, and Suppresses Tumor Growth," <i>Jpn. J. Cancer Res.</i> (1988) 79(6):682-686.		
m	C21	Wallace et al., "Oligonucleotide Probes for the Screening of Recombinant DNA Libraries,," Methods in Enzymology, (1987) 152:432-442.		
M	C22	Whalen R., "DNA Vaccines for Emerging Infectious Disease: What If?," Emerging Infectious Disease, (1996) 2(3):168-175.		
MM	C23	Wu G.Y. et al., "Receptor-mediated Gene Delivery and Expression in vivo," J. Biological Chemistry, (1988) 263:14621-14624.		
M	C24	Yamamoto S. et al., "DNA from Bacteria, but not from Vertebrates, Induces Interferons, Activates Natural Killer Cells and Inhibits Tumor Growth," Microbiol. Immunol. (1992) 36(9):983-997.		

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EXAMINER 1/1 /// /// · //·	DATE CONSIDERED
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